

Title (en)

Device for feeding gases to an analysis instrument

Title (de)

Vorrichtung für die Zufuhr von Gasen zu einer Analyseeinrichtung

Title (fr)

Dispositif d'amenée de gaz vers un instrument d'analyse

Publication

EP 2095868 A3 20090909 (DE)

Application

EP 09007745 A 20070326

Priority

- EP 07723589 A 20070326
- DE 102006015535 A 20060331

Abstract (en)

[origin: DE102006015535A1] The process involves supplying a sample gas and a reference gas to an analyzer over an opened coupling (22), where the coupling has capillaries with different cross-sections. The concentration of the sample gas and/or reference gas is regulated through automatic, electronic flow regulation of the carrier gas, where the carrier gas flow is regulated in such a manner that the concentration of the sample gas and/or the reference gas is constant. An independent claim is also included for a device for supplying gases to an analyzer.

IPC 8 full level

B01F 23/10 (2022.01); **B01D 59/44** (2006.01); **G01N 30/72** (2006.01); **H01J 49/04** (2006.01)

CPC (source: EP US)

B01D 59/44 (2013.01 - EP US); **B01F 23/19** (2022.01 - EP US); **H01J 49/0404** (2013.01 - EP US); **H01J 49/0422** (2013.01 - EP US); **G01N 1/38** (2013.01 - EP US); **G01N 30/7213** (2013.01 - EP US); **G01N 35/1097** (2013.01 - EP US); **G01N 2001/2893** (2013.01 - EP US); **G01N 2030/8804** (2013.01 - EP US); **G01N 2030/8868** (2013.01 - EP US)

Citation (search report)

- [XY] US 4705669 A 19871110 - TSUJI KATSUYA [JP], et al
- [Y] GB 2007357 A 19790516 - VARIAN TECHTRON PTY LTD
- [YD] DE 4333208 A1 19940630 - FINNIGAN MAT GMBH [DE]
- [X] HATHCOCK L ET AL: "A VERSATILE INTERFACE MODIFICATION FOR GC/MS ON BENCHTOP INSTRUMENTS", JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY, WILEY VCH, WEINHEIM, DE, vol. 13, no. 9, 1 September 1990 (1990-09-01), pages 656 - 658, XP000161015, ISSN: 0935-6304
- [Y] FESSENDEN JULIANNA E; COOK CRAIG S; LOTT MICHAEL J; EHLERINGER JAMES R: "Rapid 18O analysis of small water and CO2 samples using a continuous-flow isotope ratio mass spectrometer", RAPID COMMUNICATIONS IN MASS SPECTROMETRY, vol. 16, no. 13, 15 July 2002 (2002-07-15), WILEY, pages 1257 - 1260, XP002454604

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006015535 A1 20071004; CA 2647686 A1 20071011; CA 2647686 C 20150428; EP 2002255 A2 20081217; EP 2002255 B1 20170816; EP 2055370 A1 20090506; EP 2055371 A1 20090506; EP 2055371 B1 20181212; EP 2095868 A2 20090902; EP 2095868 A3 20090909; EP 2095868 B1 20180606; JP 2009531677 A 20090903; JP 2012163570 A 20120830; JP 5153763 B2 20130227; US 2009314057 A1 20091224; US 8402814 B2 20130326; WO 2007112876 A2 20071011; WO 2007112876 A3 20071221

DOCDB simple family (application)

DE 102006015535 A 20060331; CA 2647686 A 20070326; EP 07723589 A 20070326; EP 09001928 A 20070326; EP 09001929 A 20070326; EP 09007745 A 20070326; EP 2007002642 W 20070326; JP 2009501923 A 20070326; JP 2012101047 A 20120426; US 29456207 A 20070326